

Mechanical Engineers (17-2141)

Occupation description: Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems.

Employment and Job Openings

	Average employment			Average annual openings		
	2010 estimate	2020 projection	Percent change	Growth	Replacement	Total
Alaska	307	326	6.2	2	7	9
United States	243,200	264,600	8.8	2,130	7,830	9,960

Job outlook

Alaska: Alaska's employment growth is low with moderate employment opportunities. [Read more.](#)

2013 Wages ?

	Mean Wage and 95% Confidence Interval			Wage by Percentile		
	Low	Mean	High	10th	Median	90th
United States	n/a	41.31	n/a	25.27	39.47	59.30
Alaska	(2)	(3)	(2)	31.90	48.60	(1)
Anchorage/Mat-Su Area (MSA)	(2)	(3)	(2)	33.45	49.92	(1)
Fairbanks North Star Borough (MSA)	35.88	45.29	54.70	21.20	39.45	80.80
Balance of State	(2)	(3)	(2)	21.52	52.45	86.04

(1) indicates an hourly wage greater than \$90, or an annual wage greater than \$187,200.

(2) indicates that the confidence interval value could not be calculated.

(3) indicates that the estimates are not available.

Labor Force Indicators

2012 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
341	96	28.2	38.8	32.5

2012 Potential Supply

Qualified but working in another occupation	63
Currently employed in a lower paid occupation	30
UI claimants previously working in occupation	53

2012 ALEXsys Employment Data

Number of registrants	266
Number of job position postings	114
Ratio of registrants to job position postings	2.3

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: Bachelor's degree

Work experience: None

On-the-job training: None

Training Resources

	Degree
Alaska Computer Business Solutions LLC	
AutoCAD 2013 Essentials	
AutoCAD 2014 Advanced	
AutoCAD 2014 Beyond the Basics	
AutoCAD 2014 Essentials	
AutoCAD 2014 Update from 2012/2013	
AutoCAD Civil 3D 2014 Fundamentals	
AutoCAD Civil 3D Surveyors	
Drafting and Design Technology Program	
Revit MEP 2014 Fundamentals	
	Degree
University of Alaska Anchorage	
Mechanical Engineering	MS
	Degree
University of Alaska Fairbanks	
Mechanical Engineering	BS
Mechanical Engineering	MS
	Degree
Vocational Training and Resource Center	
Drafting with AutoCAD	